Please type a plus sign (+) inside this box →

01/08/02

PTO/SB/05 (12/97) approved for use through 9/30/00. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

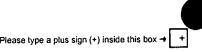
UTILITY PATENT APPLICATION **TRANSMITTAL**

Attorney Docket No. SJO920000145US1 Total Pages 34 First Named Inventor or Application Identifier Tsann Lin

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Express Mail Label No. ET155169940US

o .			<u></u>					
APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents.			Assistant Commissioner for Patents ADDRESS TO: Box Patent Application Washington, DC 20231					
1. X Fee Transmittal Form (Submit an original, and a duplicate for fee processing) 2. X Specification (Total Pages) _25		11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	6. Microfiche Computer Program (Appendix) 7. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. Computer Readable Copy b. Paper Copy (identical to computer copy) c. Statement verifying identify of above copies ACCOMPANYING APPLICATION PARTS 8. X Assignment Papers (cover sheet & document(s)) 9. 37 CFR 3.73(b) Statement X Power of Attorney (when there is an assignee) 10. English Translation Document (if applicable) 11. X Information Disclosure Statement (IDS)/PTO-1449 12. Preliminary Amendment 13. X Return Receipt Postcard (MPEP 503) (Should be specifically itemized) 14. Small Entity Statement filed in prior application, Statement(s) 15. Certified Copy of Priority Document(s) if foreign priority is claimed) 16. X Other: Express Mail Certificate					
L	18. CORRES	PONDEN(JE ADDRESS					
	Number or Bar Code Labelpondence address below							
NAME Brian C. Kunzler								
ADDRESS 10	West 100 South							
	H. L. O'A	OTATE	710 104404					
CITY Salt Lake City		STATE	Utah ZIP 84101					
COUNTRY Uni	ited States TELE	PHONE	(801) 994-4646 FAX (801) 322-1054					
Assignee Name:	INTERNATIONAL BUSINESS MACHIN nce: Armonk, New York							



Please type a plus sign (+) inside this box → + Under the Paperwork Reduction Act of 1995, no per	isons are required to respond		PTO/SB/05 (12/97) Approved for use through 9/30/00. OMB 0651-0032 nd Trademark Office: U.S. DEPARTMENT OF COMMERCE lays a valid OMB control number.		
		Complete If Known			
FEE TRANSM	NITTAI	Application Number	Not yet assigned		
FEE IRANSIV	III I AL	Filing Date	January 4, 2002		
·		First Named Inventor	Tsann Lin		
Note: Effective October		Group Art Unit			
Patent fees are subject to an	nual revision.	Examiner Name			
TOTAL AMOUNT OF PAYMENT	\$ 1008.00	Attorney Docket Number	SJO920000145us1		

METHOD OF PAYMENT (check one)		FEE CALCULATION (continued)						
The Commissioner is hereby authorized to charge		3. ADDITIONAL FEES						
indicated fees and credit any over payments to:	Large	Large Entity Small Entity		Entity				
Deposit Account Number: 09-0466	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid		
Deposit Account Name: IBM CORPORATION	105	130	205	65	Surcharge - late filing fee or oath			
Charge Any Additional Charge the Issue Fee	127	50	227	25	Surcharge - late provisional filing fee or cover sheet			
Fee Required Under In 37 CFR at the Mailing of the Notice of Allowance	139	130	139	130	Non-English specification			
	147	2520	147	2520	For filing a request for reexamination			
⊋ ☐ Payment Enclosed:	112	920*	112	920*	Requesting publication of SIR prior to Examiner action			
Payment Enclosed: Check Money Order Other	113	1840*	113	1840*	Requesting publication of SIR after Examiner action			
FEE CALCULATION	115	110	215	55	Extension for reply within first month			
FILING FEE	116	400	216	200	Extension for reply within second month			
	117	920	217	460	Extension for reply within third month			
ੁੱਤ Large Entity Small Entity	118	1440	218	720	Extension for reply within fourth month			
Fee Fee Fee Fee Description Fee Paid	128	1960	228	980	Extension for reply within fifth month			
Code (\$) Code (\$)	119	320	219	160	Notice of Appeal			
101 740 201 370 Utility filing fee 740	120	320	220	160	Filing a brief in support of an appeal			
≠=106 330 206 165 Design filing fee	121	280	221	140	Request for oral hearing			
107 510 207 255 Plant filing fee	138	1510	138	1510	Petition to institute a public use proceeding			
=108 740 208 370 Reissue filing fee	140	110	240	55	Petition to revive - intentional			
114 160 214 80 Provisional filing fee	141	1280	241	640	Petition to revive - unintentional			
114 160 214 80 Provisional filing fee \$ 740	142	1280	242	640	Utility issue fee			
背 SUBTOTAL (1) <u> </u>	143	460	243	230	Design issue fee			
Extra below Fee Paid	144	620	244	310	Plant issue fee			
Total Claims 28 -20 = 8 x 18 = 144	122	130	122	130	Petitions to the Commissioner			
Ind. Claims 4 ,-3 = 1 x 84 = 84	123	50	123	50	Petitions related to provisional applications			
Multiple Dep. Claims 0 x 280 = 0	126	180	126	180	Submission of Information Disclosure Strnt			
Large Entity Small Entity	581	40	581	40	Recording each patent assignment per property (times number of properties)	40		
Fee Fee Fee Fee Description Code (\$) Code (\$)	146	740	246	370	Filing a submission after final rejection (37 CFR 1.129(a))			
103 18 203 9 Claims in excess of 20 102 84 202 42 Independent claims in excess of 3	149	740	249	370	For each additional invention to be examined (37 CFR 1.129(b))			
104 280 204 140 Multiple dependent claim	Other fee	e (specify)						
SUBTOTAL (2) \$ 228	*Reduce	d by Basic	Filing Fee)	SUBTOTAL (3) \$	40		
SUBTOTAL (2) \$ 228								

SUBMITTED BY				Complete (if applicable)	
Typed or Printed Name Brian C. Kunzler			Reg. Number	38,527	
Signature	Bi U Kall	Date	Jan 4, 2002	Deposit Account User ID	

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

CERTIFICATE OF MAILING BY "EXPRESS MAIL"

"Express Mail" Mailing Label No.: ET155169940US

Date of Deposit: January 4, 2002

I hereby certify that this patent application in the name of Tsann Lin and Daniele Mauri for A SPIN-VALVE SENSOR WITH PINNING LAYERS COMPRISING MULTIPLE ANTIFERROMAGNETIC FILMS, together with the drawings, a Declaration, Power of Attorney, and Petition, an Assignment and Recordation Form Cover Sheet, Information Disclosure Statement, PTO Form 1449, and Copies of Cited References are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 on the date indicated above in an envelope addressed to Box Patent Application, Assistant Commissioner for Patents, Washington, D.C. 20231.

Respectfully submitted,

Brian C. Kunzler Reg. No. 38,527

Attorney for Applicant

Date: January 4, 2002

Brian C. Kunzler, P.C. 10 West 100 South, Suite 425 Salt Lake City, Utah 84101 Telephone: 801/994-4646